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Hoffmann

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(54) **OPERATING GAS SYSTEM FOR AN UNDERWATER VEHICLE, METHOD FOR OPERATING SUCH AN OPERATING GAS SYSTEM AND AN UNDERWATER VEHICLE HAVING SUCH AN OPERATING GAS SYSTEM**

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(57) **ABSTRACT**

An operating gas system for an underwater vehicle, particularly for a submarine or an unmanned underwater vehicle, includes a fuel cell system and an operating gas vessel connected in terms of flow to the fuel cell system. In order to achieve simple and efficient storage of boil-off gasses, a gas-receiving device is also provided and is connected to the operating gas vessel. The gas-receiving device contains a sorbent for receiving boil-off gas from the operating gas vessel. The boil-off gas, which is produced in the operating vessel with an operating gas for the fuel cell system and which cannot be consumed directly in the fuel cell reaction,

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